

## TRANSPARENT BITUMINOUS MEMBRANE CHIP STABILIZER

## DESCRIPTION

PENECOAT™ STABILIZER is a transparent liquid stabilizer, ideal stabilizing bituminous membranes, asphalt tiles and mosaics covered with colored quartz sand. PENECOAT™ STABILIZER is a high solids aqueous dispersion of acrylic ester-styrene copolymer. The dispersion contains an anionic emulsifier system and is free from film forming aids, solvents, plasticizers, and ammonia. PENECOAT™ STABILIZER, as a chip stabilizer, is forming a clear film with very good breathability, excellent resistance to UV radiation and weather conditions. The product can be used to stabilize and seal granular unstable surfaces with moderate patency.

## RECOMMENDED FOR

- ▶ Bitumen
- ▶ Bituminous tiles
- ▶ Mosaics
- ▶ Stabilize seal grained surfaces with moderate patency.

## ADVANTAGES

- ▶ Single component product
- ▶ Soluble in water
- ▶ Easy application by spray or brush
- ▶ Resistant to UV radiation and weather conditions
- ▶ Increases the life of bituminous membranes and tiles
- ▶ Non-toxic. Contains no solvents or ammonia
- ▶ Glossy finish
- ▶ Forms breathable membrane
- ▶ Low cost. Economic consumption

## TECHNICAL CHARACTERISTICS

Characteristics	Test Result	Test Method
<i>Composition</i>	Aqueous dispersion of acrylic ester-styrene copolymer	
<i>Colour</i>	Milky white – Clear	
<i>Density</i>	65 lb/ft <sup>3</sup> (1,04 Kg/Lt)	ISO 3251
<i>pH value</i>	8.0	ISO 976
<i>Viscosity (23°C, 100 1/s)</i>	150 mPas	ISO 3219
<i>Glass transition temperature</i>	-11 °C	
<i>Mean Particle Size</i>	0.4 µm	
<i>Minimum film-forming temperature</i>	32 °F (0 °C)	
<i>Surface tension</i>	40 mN/m	
<i>Curing time</i>	20-25 minutes	
<i>Repaint time</i>	45-50 minutes	
<i>Rejection chip reduction</i>	> 98%	Internal Laboratory Test
<i>Surface application temperature</i>	41 – 108 °F (5 – 40 °C)	

All data are average values obtained under laboratory conditions. Impractical use, temperature, humidity and absorption of the substrate may influence the above given values.

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## DIRECTIONS FOR USE

**Surface Preparation:** Surfaces must be thoroughly cleaned of dirt, loosed debris and grit, before application. Any repairs on bituminous membranes should be completed, before applying PENECOAT™ STABILIZER. Also, all materials, which will be used for repairs, must cure, before applying PENECOAT™ STABILIZER. Substrate must be dry, free of water puddles.

**Mixing:** The product is in emulsion form and should be mixed well before use, using a mixing drill and a mixing wand. After water dilution, repeat the mixing process, using a mixing drill and a mixing wand.

**Mixing ratios:** Dilute PENECOAT™ STABILIZER 1:1 with clean water, by volume (100% dilution).

**Application:** PENECOAT™ STABILIZER is applied as a uniform layer, by spray or by brush. In areas with low coverage or high absorbency, apply immediately a second layer. During the application, PENECOAT™ STABILIZER changes from milky-white colour to transparent with sheen.

**NOTE:** Roller application is not recommended, as it makes it difficult for installation and user.

**Coverage:** The consumption of PENECOAT™ STABILIZER is 0.03 lb/ft<sup>2</sup> (150 gr/m<sup>2</sup>), concentrated (in one layer). The consumption of PENECOAT™ STABILIZER is 0.06 lb/ft<sup>2</sup> (300 gr/m<sup>2</sup>), diluted in 1:1 with clean water (in one layer). Consumption may increase on high absorbent areas or under higher temperatures or wind conditions.

## SPECIAL CONSIDERATIONS

PENECOAT™ STABILIZER is not recommended for surfaces with strong patency and high stress.

The product must be dried thoroughly, before exposed to rain, snow or frost. Avoid application in hot or too windy conditions.

Surface, after the application of PENECOAT™ STABILIZER may form a clear, tacky film, especially in cases of higher consumption or application to extreme temperature conditions. Do not walk on PENECOAT™ STABILIZER.

Take all necessary measures to protect outdoors applications exposed to weather conditions.

Due to the transpiration of PENECOAT™ STABILIZER, if exposed under permanent hydrostatic pressure (standing water accumulation), the condensation of water may penetrate and cause milky (white) blur film that the product has formed. Glare recedes and disappears, after removal of the water and the membrane of the product reverts to its original state.

Contact PENETRON HELLAS S.A. for further information, regarding your project.

## PACKAGING

PENECOAT™ STABILIZER is available in 11 lb (5 kg) and 55 lb (20 kg) plastic containers.

## STORAGE / SHELF LIFE

PENECOAT™ STABILIZER has shelf life of at least 12 months at 41 °F – 95 °F (5 °C – 35 °C), when stored in a dry enclosed area, away from direct solar radiation. Must not come in contact with metal unprotected from corrosion or non-ferrous metals, during storage.

## SAFE HANDLING INFORMATION

Prolonged contact may be irritating to skin and eyes. If contact is made, flush areas with lots of water and seek medical advice. Protective gloves, mask and goggles should be worn. For further information please refer to Safety Data Sheet. PENETRON HELLAS S.A. has recently updated Safety Data Sheet on the safe use of PENETRON® products. Each Safety Data Sheet contains health and safety information for the protection of your employees and your customers. KEEP OUT OF REACH OF CHILDREN.

## WARRANTY – DISCLAIMER

PENETRON HELLAS S.A. warrants that its products are manufactured under certified ISO Standard procedures, are of excellent quality and shall be free from material defects and contain all components in their proper proportion. Should any of the products be proven defective, the liability to PENETRON HELLAS S.A. shall be limited to replacement of the material proven to be defective, since the standard application procedures have been met and the suitability of the product for the particular application have been proven. PENETRON HELLAS S.A. makes no warranty as to merchantability of fitness for a particular purpose. User, after contacting the distributor of the product, shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith. While every care has been taken, the information provided in this product's data sheet make no part of any contract. All recommendations, technical data and test data contained in this product's data sheet are based upon the results of control laboratory tests or in actual field tests. However, PENETRON HELLAS S.A. makes no warranty of any kind, concerning this data. In any case, this data are given in good faith based in the PENETRON HELLAS S.A. experience, till the publication of this sheet. Due to variance in storage, handling and applications of the materials, PENETRON HELLAS S.A. accepts no liability for the results obtained. It is suggested that potential users try small applications to determine the suitability of each individual product for their specific requirements. The users should always refer to the most recent edition of the product's data sheet. PENETRON HELLAS S.A. may particularly differentiate its versions of the product's data sheet compared with those of PENETRON INTERNATIONAL LTD or respective PENETRON companies worldwide. These changes are due to text formatting, different application weathering and procedures or different product names and aim at the optimal consumer information.

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